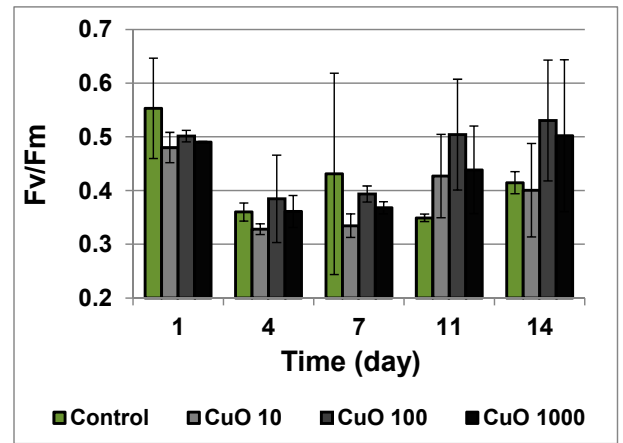
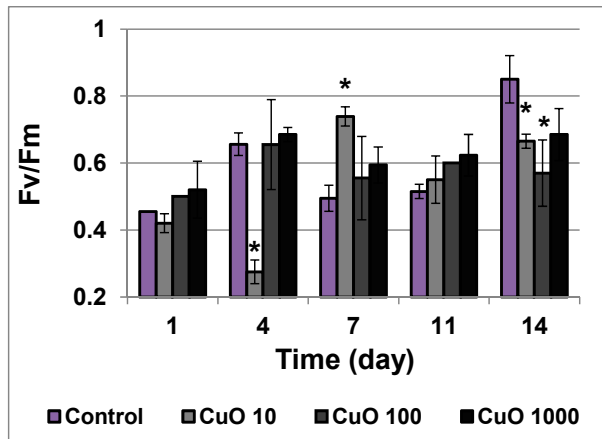


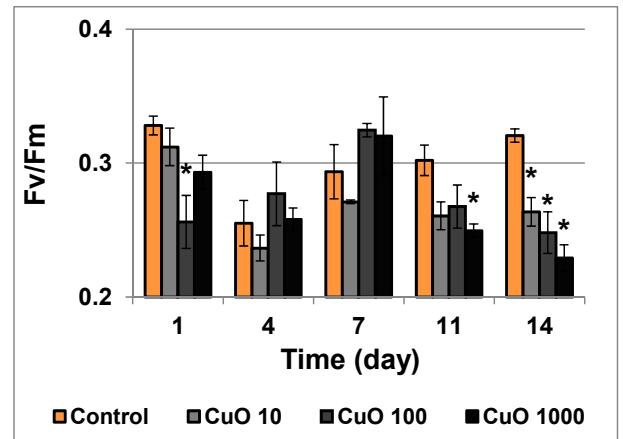
(a)



(b)



(c)



(d)

Figure S1. Preliminary screening of CuO-NP (10, 100 and 1000 $\mu\text{g L}^{-1}$) effects on different microalgal strains via PS II Qy (Fv/Fm): (a) *Desmodesmus* sp. IPPAS C-2014; (b) *Lobosphaera* sp. IPPAS C-2047; (c) *Desmodesmus* sp. 1 Dp66E-1; (d) *Micractinium simplicissimum* IPPAS C-2053. Average values significantly differing from the control at the 0.05 significance level are marked with asterisk, *.

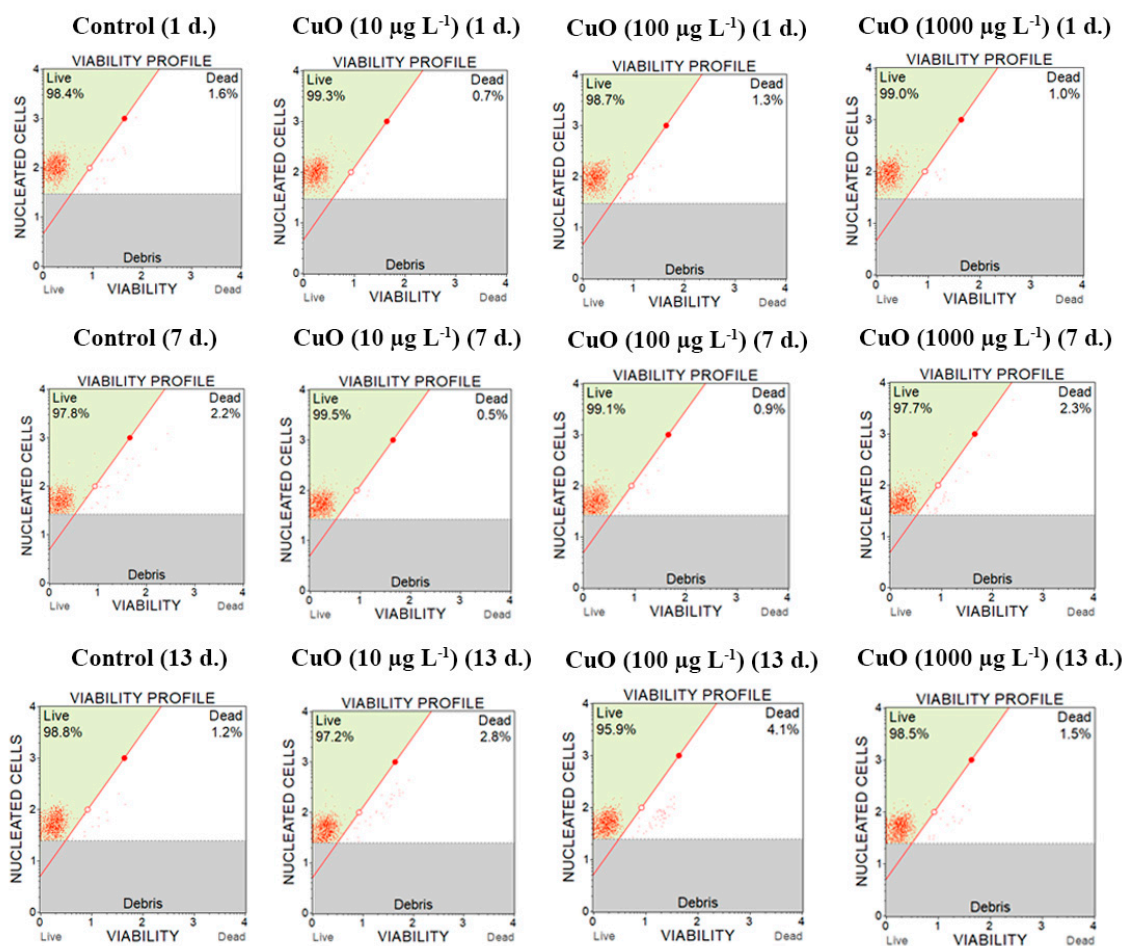
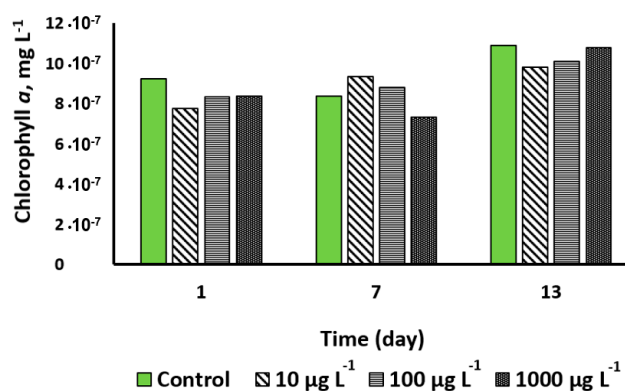
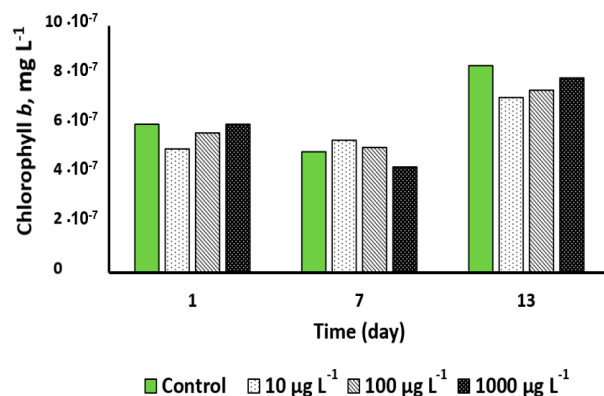


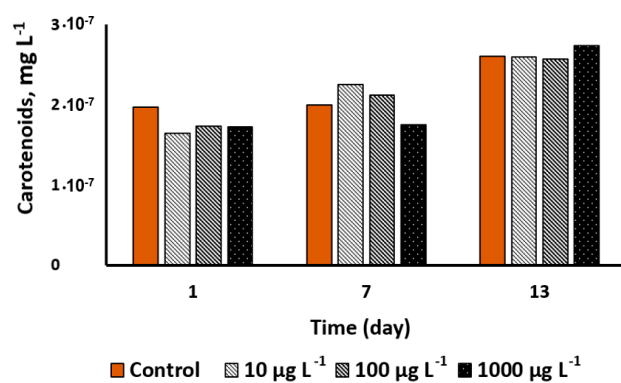
Figure S2. The analysis of the viability of *Desmodemus* sp. cells incubated with CuO-NP as compared to the untreated cells.



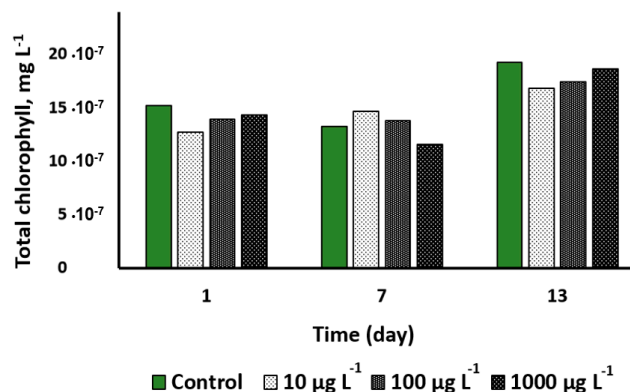
(a)



(b)



(c)



(d)

Figure S3. The dynamics of (a) chlorophyll a, (b) chlorophyll b; (c) total carotenoid, and (d) chlorophyll a + b content per cells of *Desmodemus* sp. incubated in the presence of different concentrations of CuO-NP